Abstract of the Disclosure

The present invention describes the use of a space-based Extremely Low Frequency

(ELF) magnetic field detector in conjunction with ground-based network of ELF magnetic field

detectors. In particular, a space based ELF detection system can be used to perform a wide area

5   search and find precursor earthquake signals in both known and unknown earthquake zones, and

a ground-based network of ELF detectors can be used to verify that the signals are indeed

earthquake generated signals. The use of this invention will minimize cost and manpower

necessary to effectuate an accurate and reliable earthquake detection system.